

**Claims:**

1. Corona shielding arrangement for the stator winding of rotating high-voltage machines with round-wire winding, slot portion insulation and both conducting and semi-conducting corona shielding material, characterized in that
- 5 the slot portion insulation is provided with conducting and semi-conducting corona shielding materials both outside and inside the laminated stator core, wherein the point of contact between the conducting and the semi-conducting corona shielding material is located within the stator core and
- 10 the corona shielding material is applied to a slot lining which consists of one or several layers.
2. Technique to fabricate a corona shielding arrangement according to claim 1, characterized in that
- 15 — the semi-conducting corona shielding materials to be applied on the conducting corona shielding material inside the laminated stator core for voltage grading are either glued on the slot liner only partially before installing the liner in the slot or are inserted into the slot ends together with the conducting corona shielding material after installing the slot liner,
- 20 — the winding is drop-fed,
- in this process, the semi-conducting corona shielding material is kept away from the slot liner
- the end winding is insulated up to the stator core, including the slot liner, which protrudes from the slot;

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- the semi-conducting corona shielding material is applied to the end winding insulation after the end winding has been insulated, and in that
- the corona shielding material is fastened either by means of an adhesive fleece or by means of the cover tape.

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3. Corona shielding arrangement for the stator winding of rotating high-voltage machines according to claim 1, characterized in that

- 10 - the conducting corona shielding material has preferably exactly the length of the laminated stator core.

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